WHAT IS CLAIMED IS:

1. A circuit for processing multichannel audio signals, comprising:

a frequency characteristics correction device for correcting frequency characteristics of an audio signal of a channel comprising an audio signal component having a predetermined frequency band, of audio signals of a multichannel comprising at least a right channel and a left channel, in accordance with correction characteristics determined based on a head related transfer function; and

an output device for mixing the audio signal component having the frequency characteristics corrected with an audio signal of the right channel and an audio signal of the left channel to generate mixed output audio signals, and outputting said mixed output audio signals as a right channel output audio signal and a left channel output audio signal.

2. The circuit as claimed in Claim 1, further comprising:

a signal extracting device for extracting the audio signal component having said predetermined frequency band from the audio signal having the frequency characteristics corrected by said frequency characteristics correction device, said output device mixing the audio signal component as extracted, having the predetermined frequency band with the audio signal of said right channel and the audio signal of said left channel to generate mixed output audio signals, and outputting said mixed output audio signals as a right

channel output audio signal and a left channel output audio signal.

3. The circuit as claimed in Claim 2, further comprising:

a device for extracting an audio signal component having other frequency band than said predetermined frequency band from the audio signal having the frequency characteristics as corrected to generate an extracted audio signal, and outputting said extracted audio signal as a central channel output audio signal.

4. The circuit as claimed in Claim 1, further comprising:

a device for mixing the audio signal of said right channel with the audio signal of said left channel to generate a mixed input audio signal, said frequency characteristics correction device correcting frequency characteristics of said mixed input audio signal.

5. The circuit as claimed in Claim 1, wherein:

the audio signals of said multichannel comprise an audio signal of a central channel, said frequency characteristics correction device correcting frequency characteristics of the audio signal of said central channel.

6. The circuit as claimed in Claim 1, wherein:

said correction characteristics are determined based on a ratio of the head related transfer function for a sound, which is propagated in a straight direction to a front side of an audience, to the head related transfer function for

a sound, which is propagated to the audience in a direction deviating rightward or leftward from said straight direction by a predetermined angle.

7. The circuit as claimed in Claim 1, wherein:

said predetermined frequency band comprises frequency bands corresponding to a human voice.

8. An apparatus for reproducing multichannel audio signals, comprising:

a decoder for decoding input audio stream data to generate audio signals of a multichannel; and

a circuit for processing multichannel audio signals, said circuit comprising (i) a frequency characteristics correction device for correcting frequency characteristics of an audio signal of a channel comprising an audio signal component having a predetermined frequency band, of audio signals of a multichannel comprising at least a right channel and a left channel, in accordance with correction characteristics determined based on a head related transfer function; and (ii) an output device for mixing the audio signal having the frequency characteristics corrected with an audio signal of the right channel and an audio signal of the left channel to generate mixed output audio signals, and outputting said mixed output audio signals as a right channel output audio signal and a left channel output audio signal.

9. A program for reproducing multichannel audio signals, which is to be executed by a computer, to cause the computer to function as:

a frequency characteristics correction device for correcting frequency characteristics of an audio signal of a channel comprising an audio signal component having a predetermined frequency band, of audio signals of a multichannel comprising at least a right channel and a left channel, in accordance with correction characteristics determined based on a head related transfer function; and

an output device for mixing the audio signal having the frequency characteristics corrected with an audio signal of the right channel and an audio signal of the left channel to generate mixed output audio signals, and outputting said mixed output audio signals as a right channel output audio signal and a left channel output audio signal.